

IN THE CLAIMS:

Please cancel claims 18 and 32-36. Below are currently pending claims 17, 19-31. Please add new claim 37 as follows:

17. (Currently Amended) A method of manufacturing a composite sheets sheet comprising:

providing a first bundle of parallel threads moving in a first direction; combining the moving bundle of parallel threads with a lap of thread(s), wherein the lap of thread(s) is oriented in a second direction that is substantially transverse to the first direction, to provide a combination of threads;

heating the combination of threads, optionally applying pressure to the combination of threads, and cooling the combination of threads to provide a composite sheet; and

collecting the composite sheet,

wherein at least one of the bundle of parallel threads or the lap of threads comprises at least ~~on~~ one thermoplastic organic material and at least ~~on~~ one reinforcing material, and wherein the combination of threads comprises at least 10 percent of the thermoplastic organic material.

18. (Canceled)

19. (Previously Presented) The method of claim 17, wherein the reinforcing material is provided as threads that are separate from one another and not connected.

20. (Previously Presented) The method of claim 17, wherein the combination of threads comprises at least 50 percent by weight of co-blended threads.

21. (Previously Presented) The method of claim 20, wherein the co-blended threads comprise glass filaments and filaments of a thermoplastic material which are intimately mixed.

22. (Previously Presented) The method of claim 17, wherein the lap of thread(s) is continuous and is combined with the first bundle of parallel threads with a rapier loom.

23. (Previously Presented) The method of claim 17, wherein the lap of thread(s) is continuous and is combined with the first bundle of parallel threads using a weft insertion carriage and wherein the threads of the first bundle of parallel threads and the threads of the lap of thread(s) are optionally sewn together by binding threads.

24. (Previously Presented) The method of claim 17, wherein the lap of thread(s) is continuous and the combination of threads is formed by incorporating the lap of thread(s) transversely into the first bundle of parallel threads with a netting loom with weft insertion by rotary arms.

25. (Previously Presented) The method of claim 17, wherein the lap of thread(s) are cut thread(s) and the combination of threads is formed by cutting the lap of thread(s) above the first parallel band of threads and allowing the cut lap of thread(s) to fall onto the first parallel band of threads.

26. (Previously Presented) The method of claim 25, wherein the cut lap of thread(s) contact a deflector before falling onto the first parallel band of threads.

27. (Previously Presented) The method of claim 17, wherein the lap of thread(s) is in the form of a mat and the combination of threads is formed by placing the mat on top of the first parallel band of threads.

28. (Previously Presented) The method of claim 27 further comprising providing a second parallel band of threads moving in the first direction and wherein the lap of thread(s) is between the first parallel band of threads and the second parallel bands of threads.

29. (Previously Presented) The method according to claim 17, further comprising introducing into the combination of threads or placing on the surface of the combination of threads one or more additional materials to provide additional reinforcement,

improve the mechanical properties, protect against electromagnetic radiation, improve molding capacity, improve surface properties, or reduce the weight of the composite sheet.

30. (Currently Amended) A method of manufacturing a composite sheets sheet comprising:

providing a bundle of parallel threads moving in a first direction;

combining the moving bundle of parallel threads with a lap of thread(s), wherein the lap of thread(s) is oriented in a second direction that is substantially transverse to the first direction, to provide a combination of threads;

combining the combination of threads with a second bundle of parallel threads moving in the first direction to provide a second combination of threads;

heating the second combination of threads, optionally applying pressure to the second combination of threads, and cooling the second combination of threads to provide a composite sheet; and

collecting the composite sheet,

wherein at first bundle of parallel threads, the second bundle of parallel threads, or the lap of threads comprises at least ~~on one thermoplastic~~ organic material and at least ~~on one~~ reinforcing material and at least ~~on one~~ of the first bundle of parallel threads, the second bundle of parallel threads, or the lap of threads comprises at least two materials having different melting points, wherein the combination of threads comprises at least 10 percent of the thermoplastic organic material.

31. (Previously Presented) The method according to claim 30, further comprising introducing into the combination of threads, introducing into the second combination of threads, placing on the surface of the combination of threads, or placing on the surface of the second combination of threads one or more additional materials to provide additional reinforcement, improve the mechanical properties, protect against electromagnetic radiation, improve molding capacity, improve surface properties, or reduce the weight of the composite sheet.

32-35. (Canceled)

36. (Canceled) A composite sheet comprising a thermoplastic organic material and at least one reinforcing thread prepared by:

providing a first bundle of parallel threads moving in a first direction;
combining the moving bundle of parallel threads with a lap of thread(s),
wherein the lap of thread(s) is oriented in a second direction that is substantially transverse to
the first direction, to provide a combination of threads;

heating the combination of threads, optionally applying pressure to the
combination of threads, and cooling the combination of threads to provide a composite sheet;
and

collecting the composite sheet,

wherein at least one of the bundle of parallel threads or the lap of thread(s)
comprises at least on organic material and at least on reinforcing material and shrinkage of
the composite sheet is less than 6 percent.

37. (New) A method of manufacturing a composite sheet comprising:

providing a first bundle of parallel threads moving in a first direction;
combining the moving bundle of parallel threads with a lap of thread(s),

wherein the lap of thread(s) is oriented in a second direction that is substantially transverse to
the first direction, to provide a woven combination of threads;

heating the combination of threads, optionally applying pressure to the
combination of threads, and cooling the combination of threads to provide a composite sheet;
and

collecting the composite sheet,

wherein at least one of the bundle of parallel threads or the lap of threads
comprises at least on organic material and at least on reinforcing material.